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- (21) International Application Number: **PCT/US00/14564**
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- (26) Publication Language: **English**
- (30) Priority Data:
60/135,982 **26 May 1999 (26.05.1999)** **US**
- (71) Applicant (*for all designated States except US*): **THE PROCTER & GAMBLE COMPANY [US/US]**; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): **KASTURI, Chandrika [US/US]**; 10044 Cliffwood Court, Cincinnati, OH 45241 (US). **SCHAFER, Michael, Gayle [US/US]**; 6032 South Kramer Drive, Alexandria, KY 41001 (US). **BODET, Jean-Francois [FR/US]**; 5067 Plantation Court, Mason, OH 45040 (US). **BERGER, Patricia, Sara [AR/MX]**; Ibsen 60#402 Polanco, Mexico, D.F. 11560 (MX). **SIVIK, Mark, Robert [US/US]**; 2434 Sheffield Court, Ft. Mitchell, KY 41017 (US). **SCHEPER, William, Michael [US/US]**; 2393 Picnic Woods Drive, Lawrenceburg, IN 47025 (US). **KLUESENER, Bernard, William [US/US]**; 11619 New Biddinger Road, Harrison, OH 45030 (US).
- (81) Designated States (*national*): AE, AL, AM, AT, AT (utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, CZ (utility model), DE, DE (utility model), DK, DK (utility model), DM, EE, EE (utility model), ES, FI, FI (utility model), GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SK (utility model), SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— *with international search report*
- (88) Date of publication of the international search report:
27 September 2001
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*

(54) Title: **DETERGENT COMPOSITIONS COMPRISING POLYMERIC SUDS VOLUME AND SUDS DURATION ENHANCERS**

(57) Abstract: The present invention relates to detergent compositions comprising polymeric suds volume and suds duration enhancers. These polymeric materials provide enhanced suds volume and suds duration during cleaning.

WO 00/71652 A3

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US99/14564

A. CLASSIFICATION OF SUBJECT MATTER

IPC 7 C11D3/37 C11D3/00 C11D3/384

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 C11D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
P, L, X	WO 99 27057 A (KASTURI CHANDRIKA ;KLUESENER BERNARD WILLIAM (US); SCHAFER MICHAEL) 3 June 1999 (1999-06-03) claims 1-8,12 ---	1-5,7-10
P, L, X	WO 99 27058 A (KASTURI CHANDRIKA ;KLUESENER BERNARD WILLIAM (US); SCHAFER MICHAEL) 3 June 1999 (1999-06-03) claims 1-8,11; examples; tables ---	1-5, 11-14, 16-242
X	GB 2 104 091 A (KAO CORP) 2 March 1983 (1983-03-02) synthesis no 1 page 3, line 4 - line 6; examples --- -/--	1,5, 11-14, 16-24

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents :

- "A" document defining the general state of the art which is not considered to be of particular relevance
- "E" earlier document but published on or after the international filing date
- "L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- "O" document referring to an oral disclosure, use, exhibition or other means
- "P" document published prior to the international filing date but later than the priority date claimed

- "T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- "&" document member of the same patent family

Date of the actual completion of the international search

19 December 2000

Date of mailing of the international search report

10.04.2001

Name and mailing address of the ISA

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Authorized officer

Loiselet-Taisne, S

INTERNATIONAL SEARCH REPORT

International Application No

PCT/JP99/14564

C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	DE 43 02 315 A (HENKEL KGAA) 4 August 1994 (1994-08-04) page 4, line 35 - line 57 ---	1,2,11, 13,14, 16-20
X	PATENT ABSTRACTS OF JAPAN vol. 1995, no. 07, 31 August 1995 (1995-08-31) & JP 07 109498 A (KAO CORP), 25 April 1995 (1995-04-25) paragraph [0015]; examples 2,4-6,10; tables 1,2 abstract ---	1,11,14, 16-18,20
X	US 4 454 060 A (LAI KUO-YANN ET AL) 12 June 1984 (1984-06-12) column 1, line 49 - line 54 column 4, line 20 - line 29 column 7, line 5 - line 9 claims 1-16; examples; tables -----	1,3, 16-20

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/14564

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
1-5 completely; 16-24 partially

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-5 completely and 16-24 partially

A detergent composition comprising: (a) an effective amount of a polymeric suds stabilizer comprising at least one monomeric unit of the formula drawn in claim 1; and wherein said polymeric stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons; (b) a deterative surfactant; and (c) the balance carriers and other adjunct ingredients

2. Claims: 6 completely, 16-24 partially

A detergent composition comprising: (a) an effective amount of a proteinaceous suds stabilizer; said stabilizer having an isoelectric point=7.5-11.5; and wherein said polymeric stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons; (b) a deterative surfactant; and (c) the balance carriers and other adjunct ingredients

3. Claims: 7-10 completely, 16-24 partially

A detergent composition comprising: (a) an effective amount of a zwitterionic polymeric suds stabilizer; said stabilizer having an isoelectric point=7.5-11.5; and wherein said polymeric stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons; (b) a deterative surfactant; and (c) the balance carriers and other adjunct ingredients

4. Claims: 11-15 completely, 16-24 partially

A detergent composition comprising: (a) an effective amount of a polymeric suds stabilizer comprising i) units capable of having a cationic charge at pH of from 4 to 12; provided that said suds stabilizer has an average cationic charge density of 1 units per 100 daltons molecular weight at pH of from 4 to 12; (b) a deterative surfactant; and (c) the balance carriers and other adjunct ingredients

INTERNATIONAL SEARCH REPORT

International Application No

PCT/US/14564

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
WO 9927057 A	03-06-1999	AU 1532199 A BR 9812788 A CN 1284121 T EP 1032633 A	15-06-1999 17-10-2000 14-02-2001 06-09-2000
WO 9927058 A	03-06-1999	AU 1532299 A BR 9812789 A CN 1284120 T EP 1032634 A	15-06-1999 17-10-2000 14-02-2001 06-09-2000
GB 2104091 A	02-03-1983	JP 1055320 B JP 1569529 C JP 58013700 A HK 46788 A MY 54987 A SG 63187 G	24-11-1989 10-07-1990 26-01-1983 01-07-1988 31-12-1987 19-02-1988
DE 4302315 A	04-08-1994	AT 144700 T BR 9405816 A CA 2155032 A DE 59400950 D DK 681469 T WO 9416679 A EP 0681469 A ES 2095150 T GR 3021579 T JP 8505863 T US 5811386 A	15-11-1996 19-12-1995 04-08-1994 05-12-1996 14-04-1997 04-08-1994 15-11-1995 01-02-1997 28-02-1997 25-06-1996 22-09-1998
JP 07109498 A	25-04-1995	NONE	
US 4454060 A	12-06-1984	AT 388926 B AT 146584 A AU 565739 B AU 2720684 A BE 899709 A CA 1225563 A CH 659254 A DE 3416190 A DK 201184 A FR 2547314 A GB 2141134 A,B GR 82178 A IT 1206162 B MX 161247 A NL 8401837 A NO 841517 A,B, NZ 207900 A PH 20752 A SE 459183 B SE 8402164 A ZA 8403036 A	25-09-1989 15-02-1989 24-09-1987 13-12-1984 22-11-1984 18-08-1987 15-01-1987 13-12-1984 10-12-1984 14-12-1984 12-12-1984 13-12-1984 14-04-1989 24-08-1990 02-01-1985 10-12-1984 14-03-1986 02-04-1987 12-06-1989 10-12-1984 24-12-1985

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INTERNATIONAL PRELIMINARY EXAMINATION REPORT

(PCT Article 36 and Rule 70)

Applicant's or agent's file reference 7578/3B	FOR FURTHER ACTION See Notification of Transmittal of International Preliminary Examination Report (Form PCT/IPEA/416)	
International application No. PCT/US00/14564	International filing date (day/month/year) 25/05/2000	Priority date (day/month/year) 26/05/1999
International Patent Classification (IPC) or national classification and IPC C11D3/37		
Applicant THE PROCTER & GAMBLE COMPANY et al.		

1. This international preliminary examination report has been prepared by this International Preliminary Examining Authority and is transmitted to the applicant according to Article 36.



2. This REPORT consists of a total of 5 sheets, including this cover sheet.

- ☐ This report is also accompanied by ANNEXES, i.e. sheets of the description, claims and/or drawings which have been amended and are the basis for this report and/or sheets containing rectifications made before this Authority (see Rule 70.16 and Section 607 of the Administrative Instructions under the PCT).

These annexes consist of a total of sheets.

3. This report contains indications relating to the following items:

- I ☒ Basis of the report
- II ☐ Priority
- III ☒ Non-establishment of opinion with regard to novelty, inventive step and industrial applicability
- IV ☐ Lack of unity of invention
- V ☒ Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement
- VI ☐ Certain documents cited
- VII ☐ Certain defects in the international application
- VIII ☐ Certain observations on the international application

Date of submission of the demand 13/11/2000	Date of completion of this report 20.08.2001
Name and mailing address of the international preliminary examining authority:  European Patent Office D-80298 Munich Tel. +49 89 2399 - 0 Tx: 523656 epmu d Fax: +49 89 2399 - 4465	Authorized officer Schambeck, W Telephone No. +49 89 2399 2135 

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/14564

I. Basis of the report

1. With regard to the **elements** of the international application (*Replacement sheets which have been furnished to the receiving Office in response to an invitation under Article 14 are referred to in this report as "originally filed" and are not annexed to this report since they do not contain amendments (Rules 70.16 and 70.17))*):

Description, pages:

1-184 as originally filed

Claims, No.:

1-24 as originally filed

2. With regard to the **language**, all the elements marked above were available or furnished to this Authority in the language in which the international application was filed, unless otherwise indicated under this item.

These elements were available or furnished to this Authority in the following language: , which is:

- ☐ the language of a translation furnished for the purposes of the international search (under Rule 23.1(b)).
- ☐ the language of publication of the international application (under Rule 48.3(b)).
- ☐ the language of a translation furnished for the purposes of international preliminary examination (under Rule 55.2 and/or 55.3).

3. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international preliminary examination was carried out on the basis of the sequence listing:

- ☐ contained in the international application in written form.
- ☐ filed together with the international application in computer readable form.
- ☐ furnished subsequently to this Authority in written form.
- ☐ furnished subsequently to this Authority in computer readable form.
- ☐ The statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.
- ☐ The statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.

4. The amendments have resulted in the cancellation of:

- ☐ the description, pages:
- ☐ the claims, Nos.:
- ☐ the drawings, sheets:

5. ☐ This report has been established as if (some of) the amendments had not been made, since they have been considered to go beyond the disclosure as filed (Rule 70.2(c)):

INTERNATIONAL PRELIMINARY EXAMINATION REPORT

International application No. PCT/US00/14564

(Any replacement sheet containing such amendments must be referred to under item 1 and annexed to this report.)

6. Additional observations, if necessary:

III. Non-establishment of opinion with regard to novelty, inventive step and industrial applicability

1. The questions whether the claimed invention appears to be novel, to involve an inventive step (to be non-obvious), or to be industrially applicable have not been examined in respect of:

☐ the entire international application.

☒ claims Nos. 6-15.

because:

☐ the said international application, or the said claims Nos. relate to the following subject matter which does not require an international preliminary examination (*specify*):

☐ the description, claims or drawings (*indicate particular elements below*) or said claims Nos. are so unclear that no meaningful opinion could be formed (*specify*):

☐ the claims, or said claims Nos. are so inadequately supported by the description that no meaningful opinion could be formed.

☒ no international search report has been established for the said claims Nos. 6-15.

2. A meaningful international preliminary examination cannot be carried out due to the failure of the nucleotide and/or amino acid sequence listing to comply with the standard provided for in Annex C of the Administrative Instructions:

☐ the written form has not been furnished or does not comply with the standard.

☐ the computer readable form has not been furnished or does not comply with the standard.

V. Reasoned statement under Article 35(2) with regard to novelty, inventive step or industrial applicability; citations and explanations supporting such statement

1. Statement

Novelty (N)	Yes:	Claims	20-24
	No:	Claims	1-5, 16-19
Inventive step (IS)	Yes:	Claims	
	No:	Claims	1-5, 16-24
Industrial applicability (IA)	Yes:	Claims	1-5, 16-24

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT**

International application No. PCT/US00/14564

No: Claims

2. Citations and explanations
see separate sheet

**INTERNATIONAL PRELIMINARY
EXAMINATION REPORT - SEPARATE SHEET**

International application No. PCT/US00/14564

This communication relies on the documents cited in the international search report; attention is in particular drawn to the passages specifically identified in that report.

1. WO 99/27057 and WO 99/27058, which were filed by THE PROCTER & GAMBLE COMPANY on 20 November 1998 and published on 3 June 1999, represent applications in respect of the invention defined by claims 1 to 5 and 16 to 19 of the application being the subject of international preliminary examination and which were filed before the claimed priority date and which thus disqualify US application 60/135982 as the "first application" for the purposes of Article 4 of the Stockholm Act of the Paris Convention for the Protection of Industrial Property, to which reference is made in Article 8 (2)a PCT (see also PCT International Preliminary Examination Guidelines published by the International Bureau of WIPO, V, 1.4, first sentence).

It is concluded that the applicants' claim to the priority date 26 May 1999 is invalid as far as claims 1 to 5 and 16 to 19 are concerned.

Under these circumstances, it is to be noted that WO 99/27057 and WO 99/27058 constitute prior art within the meaning of Rule 64.1 PCT and that the inventions defined by claims 1 to 5 and 16 to 19 of the application under examination lack novelty over that prior art.

2. GB-A-2 104 091, DE-A-4 302 315, JP-A-7 109 498 and US-A-4 454 060, which were published before the claimed priority date, are considered to also be novelty-destroying for the inventions defined by claims 1 to 5 and 16 to 19 of the application under examination.

3. The inventions defined by claims 20 to 24 are considered not to involve an inventive step because they appear to merely concretise or supplement the teaching of independent claim 1 by

- (i) adding technical information rendered obvious by the common general knowledge in the field of detergent compositions and/or
- (ii) introducing restrictions arbitrary in the sense that they do not contribute to the solution of a meaningful technical problem derivable from the application as filed.

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 7578/3B	FOR FURTHER ACTION see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.	
International application No. PCT/US 00/ 14564	International filing date (day/month/year) 25/05/2000	(Earliest) Priority Date (day/month/year) 26/05/1999
Applicant THE PROCTER & GAMBLE COMPANY et al.		

This International Search Report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This International Search Report consists of a total of 5 sheets.
☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report

- a. With regard to the **language**, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).

- b. With regard to any **nucleotide and/or amino acid sequence** disclosed in the international application, the international search was carried out on the basis of the sequence listing :

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished

2. ☐ **Certain claims were found unsearchable** (See Box I).

3. ☒ **Unity of invention is lacking** (see Box II).

4. With regard to the **title**,

☐ the text is approved as submitted by the applicant.

☒ the text has been established by this Authority to read as follows:

DETERGENT COMPOSITIONS COMPRISING POLYMERIC SUDS VOLUME AND SUDS DURATION ENHANCERS

5. With regard to the **abstract**,

☒ the text is approved as submitted by the applicant.

☐ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.

6. The figure of the **drawings** to be published with the abstract is Figure No. _____

☐ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 00/14564

Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:

3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

see additional sheet

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.

2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.

3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:

4. ☒ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

1-5 completely; 16-24 partially

Remark on Protest

☐ The additional search fees were accompanied by the applicant's protest.

☐ No protest accompanied the payment of additional search fees.

FURTHER INFORMATION CONTINUED FROM PCT/ISA/ 210

This International Searching Authority found multiple (groups of) inventions in this international application, as follows:

1. Claims: 1-5 completely and 16-24 partially

A detergent composition comprising: (a) an effective amount of a polymeric suds stabilizer comprising at least one monomeric unit of the formula drawn in claim 1; and wherein said polymeric stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons; (b) a deterative surfactant; and (c) the balance carriers and other adjunct ingredients

2. Claims: 6 completely, 16-24 partially

A detergent composition comprising: (a) an effective amount of a proteinaceous suds stabilizer; said stabilizer having an isoelectric point=7.5-11.5; and wherein said polymeric stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons; (b) a deterative surfactant; and (c) the balance carriers and other adjunct ingredients

3. Claims: 7-10 completely, 16-24 partially

A detergent composition comprising: (a) an effective amount of a zwitterionic polymeric suds stabilizer; said stabilizer having an isoelectric point=7.5-11.5; and wherein said polymeric stabilizer has a molecular weight of from 1,000 to 2,000,000 daltons; (b) a deterative surfactant; and (c) the balance carriers and other adjunct ingredients

4. Claims: 11-15 completely, 16-24 partially

A detergent composition comprising: (a) an effective amount of a polymeric suds stabilizer comprising i) units capable of having a cationic charge at pH of from 4 to 12; provided that said suds stabilizer has an average cationic charge density of 1 units per 100 daltons molecular weight at pH of from 4 to 12; (b) a deterative surfactant; and (c) the balance carriers and other adjunct ingredients

PCT COOPERATION TREATY

PCT

NOTIFICATION OF ELECTION

(PCT Rule 61.2)

From the INTERNATIONAL BUREAU

To:

Commissioner
 US Department of Commerce
 United States Patent and Trademark
 Office, PCT
 2011 South Clark Place Room
 CP2/5C24
 Arlington, VA 22202
 ETATS-UNIS D'AMERIQUE
 in its capacity as elected Office

Date of mailing (day/month/year) 29 December 2000 (29.12.00)	Applicant's or agent's file reference 7578/3B
International application No. PCT/US00/14564	Priority date (day/month/year) 26 May 1999 (26.05.99)
International filing date (day/month/year) 25 May 2000 (25.05.00)	
Applicant KASTURI, Chandrika et al	

1. The designated Office is hereby notified of its election made:

☒ in the demand filed with the International Preliminary Examining Authority on:
 13 November 2000 (13.11.00)

☐ in a notice effecting later election filed with the International Bureau on:

2. The election ☒ was

☐ was not

made before the expiration of 19 months from the priority date or, where Rule 32 applies, within the time limit under Rule 32.2(b).

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland Facsimile No.: (41-22) 740.14.35	Authorized officer Pascal Piriou Telephone No.: (41-22) 338.83.38
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